FEDERAL SUPPLY CLASS
5935

THE REQUIREMENTS FOR ACQUIRING THE PRODUCT DESCRIBED HEREIN SHALL CONSIST OF THIS SPECIFICATION SHEET AND THE LATEST ISSUE OF SAE AS85049.

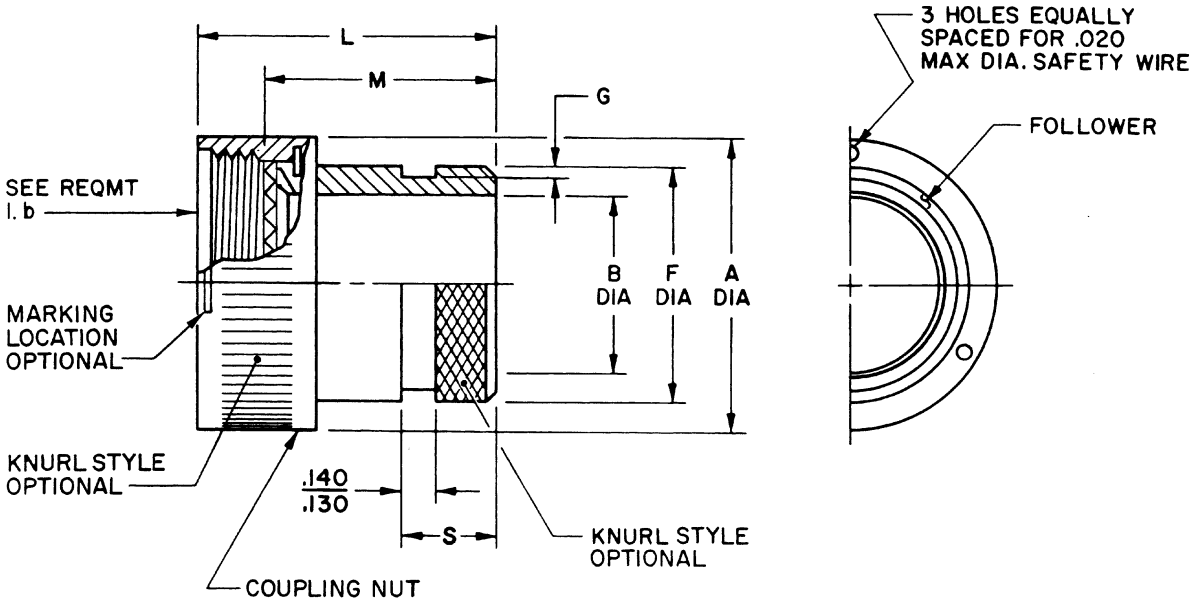
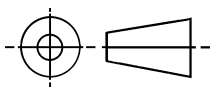


FIGURE 1 - CONFIGURATION AND DIMENSIONS

ISSUED 1998-08 REVISED PROPOSED DRAFT 2002-08-23

THIRD ANGLE PROJECTION



CUSTODIAN: SAE AE-8/AE-8C1

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

(R) CONNECTOR ACCESSORIES, ELECTRICAL, ADAPTER, SHRINK BOOT, CATEGORY 5 (FOR MIL-C-5015 CRIMP, MIL-C-26482 SERIES 2, MIL-C-81703 SERIES 3, AND MIL-C-83723 SERIES III CONNECTORS)

TABLE 1 - DIMENSIONS

Dash No.	For Connector Shell Size (Ref) MIL-C-26482			A +.000 -.045 Dia	F +.000 -.020 Dia	G +.008 -.000	L Max	M Max	S ±.031	B Min Dia
	MIL-C-81703 Series 3	Series 2 & MIL-C-83723 Series III	MIL-C-5015 Crimp							
-3	3			.669	.533	.044	1.187	.832	.406	.250
-8		8	8S	.617	.533	↑	↑	↑	↑	.250
-10		10	10S, 10SL	.734	.605					.355
-12	7	12	12S, 12	.858	.774					.491
-14	12	14	14S, 14	.984	.838					.565
-16	19	16	16S, 16	1.112	.963	↓				.690
-18	27	18	18	1.218	1.042	.044				.769
-20	37	20	20	1.345	1.217	.069				.894
-22		22	22	1.468	1.355	↑	↓	↓		1.019
-24		24	24	1.593	1.443	↓	1.187	.832	↓	1.134
-28			28	1.969	1.709	.069	1.511	.994	.406	1.369
-32			32	2.219	1.919	.086	↑	↑	.563	1.615
-36			36	2.469	2.169	↑			↑	1.830
-40			40	2.719	2.402					2.045
-44			44	2.969	2.657	↓	↓	↓	↓	2.300
-48			48	3.219	2.907	.086	1.511	.994	.563	2.550
-61	61			1.653	1.529	.069	1.187	.832	.406	1.174

INCH	mm	INCH	mm	INCH	mm	INCH	mm
0.008	0.20	0.688	17.48	1.152	29.26	1.709	43.41
0.020	0.51	0.690	17.53	1.174	29.82	1.748	44.40
0.031	0.79	0.702	17.83	1.187	30.14	1.830	46.48
0.044	1.12	0.709	18.01	1.217	30.91	1.919	48.74
0.045	1.14	0.743	18.87	1.218	30.94	1.969	50.01
0.062	1.57	0.750	19.05	1.238	31.45	2.045	51.94
0.069	1.75	0.769	19.53	1.243	31.57	2.062	52.37
0.086	2.18	0.774	19.66	1.287	32.69	2.169	55.09
0.125	3.18	0.803	20.40	1.310	33.27	2.219	56.36
0.130	3.30	0.830	21.08	1.345	34.16	2.300	58.42
0.140	3.56	0.838	21.29	1.355	34.42	2.312	58.72
0.250	6.35	0.858	21.79	1.369	34.77	2.402	61.01
0.355	9.02	0.894	22.71	1.370	34.80	2.469	62.71
0.406	10.34	0.898	22.81	1.436	36.47	2.550	64.77
0.491	12.47	0.938	23.83	1.443	36.65	2.562	65.07
0.533	13.54	0.963	24.46	1.468	37.29	2.657	67.49
0.540	13.72	0.984	24.99	1.511	38.37	2.719	69.06
0.563	14.30	0.992	25.19	1.529	38.84	2.812	71.42
0.565	14.35	1.019	25.88	1.560	39.62	2.907	73.84
0.605	15.37	1.024	26.01	1.593	40.46	2.969	75.41
0.617	15.67	1.042	26.47	1.615	41.02	3.062	77.77
0.657	16.69	1.063	27.00	1.618	41.10	3.219	81.76
0.669	16.99	1.112	28.24	1.653	41.99	3.312	84.12
		1.134	28.80	1.686	42.82		

TABLE 2 - DIMENSIONS

Dash No.	For Connector Shell Size (Ref)			A +.000 -.045 Dia	F +.000 -.020 Dia	G +.008 -.000	R Max	S ±.031
	MIL-C-81703 Series 3	MIL-C-26482 Series 2 & MIL-C-83723 Series III	MIL-C-5015 Crimp					
-3	3			.750	.709	.044	.540	.406
-8		8	8S	.688	.657			
-10		10	10S,10SL	.803	.774			
-12	7	12	12S,12	.938	.898			
-14	12	14	14S,14	1.063	1.024	.044		
-16	19	16	16S,16	1.238	1.152	.069		
-18	27	18	18	1.310	1.243			
-20	37	20	20	1.436	1.370			
-22		22	22	1.560	1.443			
-24		24	24	1.686	1.618	.069	.540	.406
-28			28	2.062	1.969	.086	.702	.563
-32			32	2.312	2.219			
-36			36	2.562	2.469			
-40			40	2.812	2.719			
-44			44	3.062	2.969			
-48			48	3.312	3.219	.086	.702	.563
-61	61			1.748	1.653	.069	.540	.406

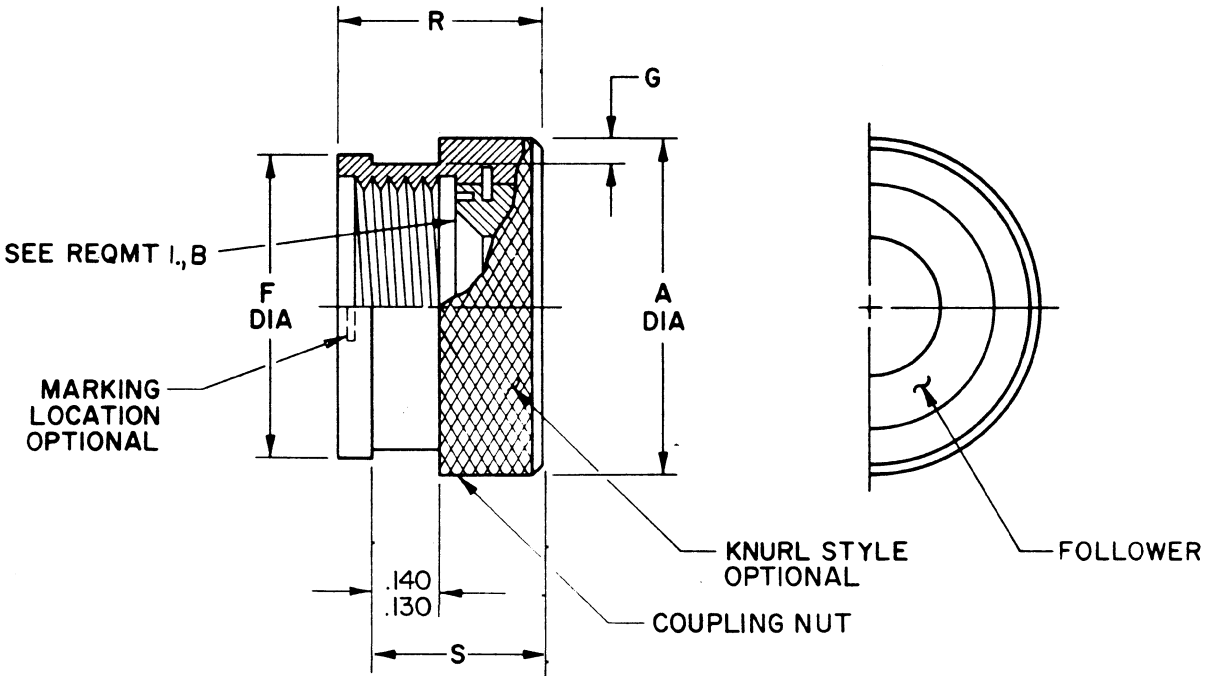


FIGURE 2 - CONFIGURATION AND DIMENSIONS

REQUIREMENTS:

1. DESIGN AND CONSTRUCTION:

   a. DIMENSIONS AND CONFIGURATION: SEE FIGURES 1 AND 2 AND TABLE 1.

   b. INTERFACE DIMENSIONS SHALL BE IN ACCORDANCE WITH SAE AS85049, FIGURE 4.

   c. COMPLETE ACCESSORY CONSISTS OF A COUPLING NUT AND FOLLOWER. THE COUPLING NUT SHALL BE CAPTIVATED TO AND FREE TO ROTATE ON THE FOLLOWER.

   d. COUPLING THREAD STRENGTH SHALL BE HEAVY DUTY IN ACCORDANCE WITH SAE AS85049.

2. MATERIAL AND FINISH: SEE TABLE 3.

TABLE 3 - MATERIAL AND FINISH

Figure	Material	Finish
1 & 2	Aluminum alloy in accordance with MIL-C-85049	1/ N, A, 2/ W

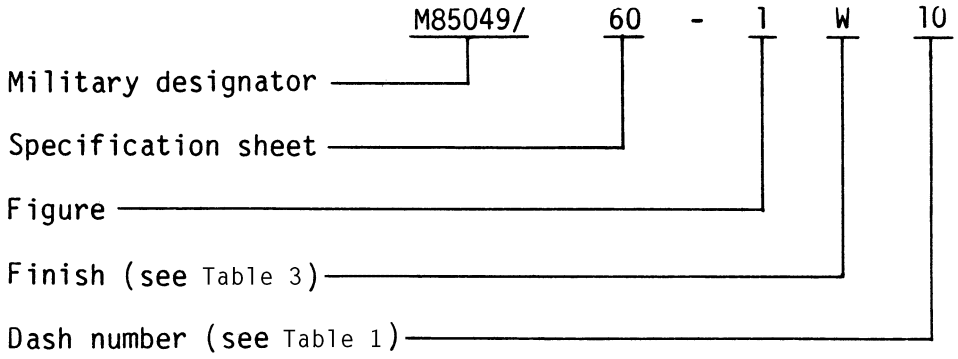
1/ Not for Navy use. Restricted to Air Force space application only.
2/ W finish is not for use in space application.

3. QUALIFICATION IS REQUIRED FOR U.S. GOVERNMENT PROCUREMENT. THE QPL EVALUATING ACTIVITY, FOR U.S. DEPARTMENT OF DEFENSE PROCUREMENT PURPOSES, NAVAL AIR SYSTEMS COMMAND (CODE 4.4.4.3), 48142 SHAW ROAD, BLDG. 3197, SUITE E, PATUXENT RIVER, MD 20670.

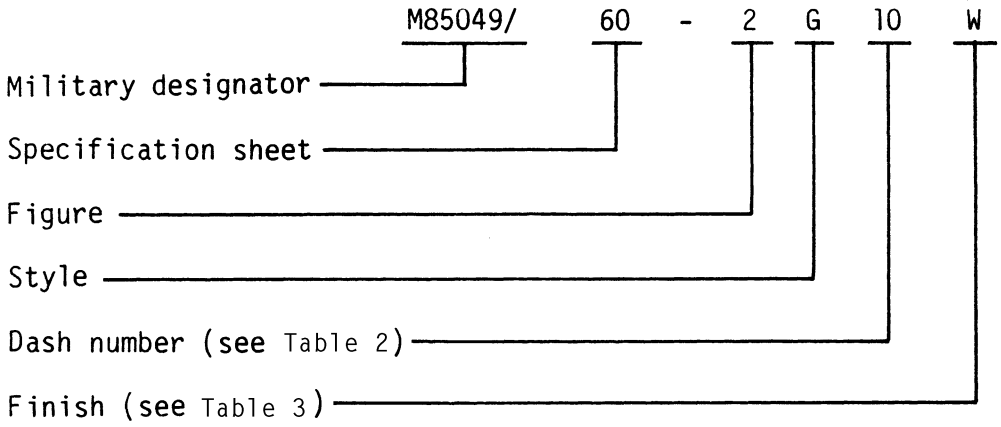
4. APPLICATION: USED TO ADAPT MS3109 AND MS3117 SHRINK BOOTS.

5. PART NUMBER:

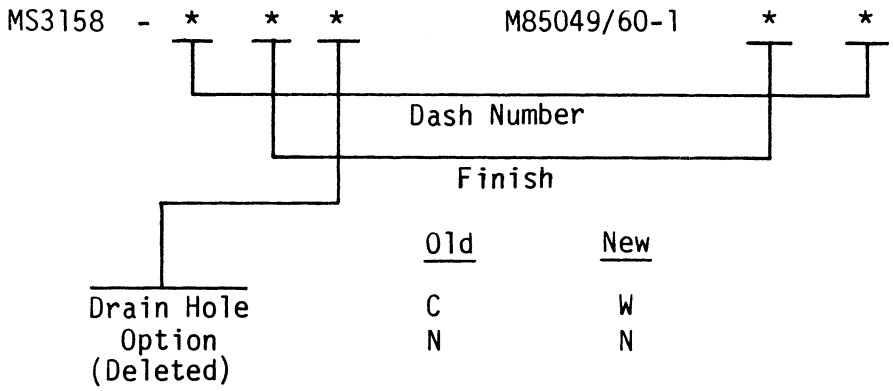
   FOR FIGURE 1, SEE EXAMPLE BELOW:

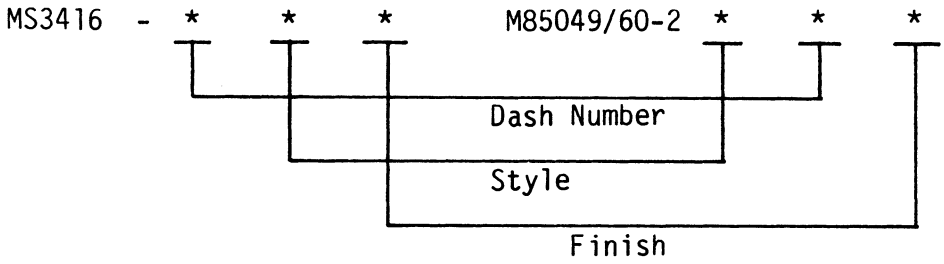


FOR FIGURE 2, SEE EXAMPLE BELOW:

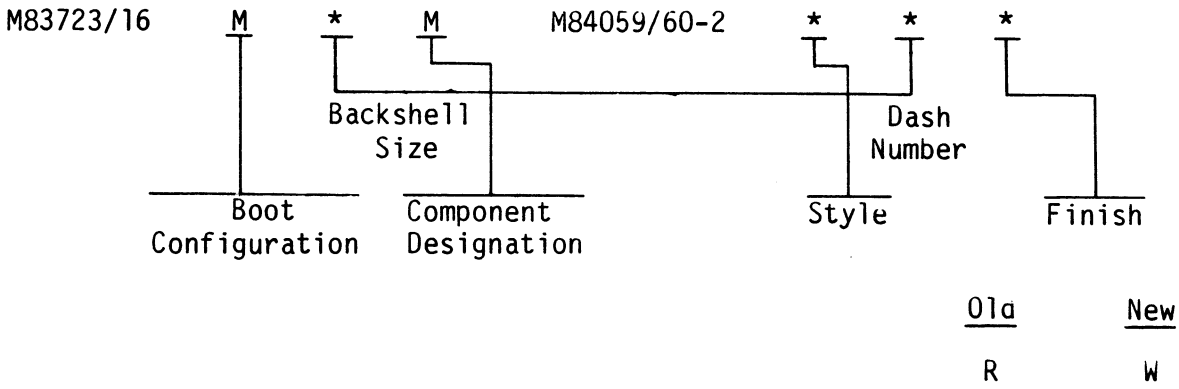


6. SUPERSESSION DATA:





Old	New
A	W
C	W
G	A
N	N



Old	New
R	W

NOTES:

1. DIMENSIONS ARE IN INCHES.
2. METRIC EQUIVALENTS ARE BASED UPON 1.00 INCH = 25.4 MM AND SHALL BE IN ACCORDANCE WITH ASTM E380, PARAGRAPH 4.5, METHOD A AND ASTM E29, ROUNDING-OFF METHOD.
3. DIMENSIONS APPLY AFTER PLATING.
4. THE CHANGE BAR (I) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT.